

## Abstract

It is an object of the invention to provide a communication apparatus that can perform gain control without deteriorating an S/N ratio of signals after diversity processing. A communication apparatus according to the invention includes: a comparison unit (11) that compares gain set values calculated and outputted by AGC control units (10a) and (10b) of respective branches; and conversion units (1004a) and (1004b) that generate gain adjustment signals corresponding to the respective branches from the gain set values obtained by the comparison unit (11). The communication apparatus performs gain control for variable gain amplifiers (5a) and (5b) of the respective branches according to the gain adjustment signals from the conversion units (1004a) and (1004b).